

Title (en)

Uplink supplemental nodes transmission assistance in a wireless communications network

Title (de)

Zusätzliche Knotenübertragungshilfe für die Uplink-Verbindung in einem drahtlosen Kommunikationsnetzwerk

Title (fr)

Assistance de transmission de la liaison montante par des noeuds supplémentaires dans un réseau de communication sans fil

Publication

**EP 2367397 B1 20140219 (EN)**

Application

**EP 10156438 A 20100312**

Priority

EP 10156438 A 20100312

Abstract (en)

[origin: EP2367397A1] Supplemental node transmission assistance in a wireless network provides for transmissions between a wireless network and wireless user equipment in a first direction using a serving node of the wireless network while providing for transmissions between the wireless network and wireless user equipment in a second direction using a supplemental node of the wireless network. The supplemental node is selected based on providing better channel conditions between the network and the user equipment in the second direction than the serving node. The supplemental node thus provides transmission assistance for the serving node in order to provide the best available downlink and uplink communications between the user equipment and the network.

IPC 8 full level

**H04W 72/54** (2023.01); **H04L 1/18** (2006.01); **H04B 7/26** (2006.01); **H04L 1/00** (2006.01); **H04W 84/04** (2009.01); **H04W 88/08** (2009.01)

CPC (source: EP)

**H04L 1/1861** (2013.01); **H04W 72/542** (2023.01); **H04B 7/2606** (2013.01); **H04L 2001/0097** (2013.01); **H04W 84/047** (2013.01); **H04W 88/08** (2013.01)

Citation (examination)

- RESEARCH IN MOTION UK LIMITED: "Performance Analysis of UE Association in a Type-II relay network", 3GPP DRAFT; R1-094462(RIM-TYPE 2 RELAY\_UE\_ASSOCIATION), 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, no. Jeju; 20091109, 9 November 2009 (2009-11-09), XP050388887
- GANG SHEN ET AL: "Recommendations on IEEE 802.16j", 8 May 2006 (2006-05-08), pages 1 - 14, XP002573791, Retrieved from the Internet <URL:http://grouper.ieee.org/groups/802/16/relay/contrib/C80216j-06\_004r1.pdf> [retrieved on 20100316]

Cited by

EP2874452A4; FR2999050A1; GB2525696A; GB2525690B; US9629134B2; WO2014082956A1; WO2013179245A3; WO2023131395A1; US9131526B2; US9686787B2; US9497766B2; US10743261B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**EP 2367397 A1 20110921**; **EP 2367397 B1 20140219**; EP 2654357 A1 20131023

DOCDB simple family (application)

**EP 10156438 A 20100312**; EP 13177304 A 20100312